E. EXPLOSIVES SECTION.

(Calendar year 1937).

Number of Licenses issued.—During the year, eight licenses in Form J were granted by Government under Articles 12 and 13 of Schedule I, Mysore Explosives Rules, for the possession of specified explosives (other than fulminates) in and sale from, a magazine, the same as in the previous year. The actual number of magazines inspected is far in excess of this number as each Gold Mining Company has two or more daily supply magazines included under one license in accordance with Rule 94, Mysore Mining Rules.

Altogether, 799 licenses were issued by the District Magistrates under the remaining Articles of Schedule I in Forms A, B, C, D, E, EE and F for the manufacture, possession and sale of explosives, 115 less than in the previous year.

In all 807 licenses were granted throughout the State for the year compared with 922 during 1936, a decrease of 115 licenses.

The following statement shows the distribution of licenses in the various forms among the districts for the year :—

District	Forms										Total for 1937	Total for 1936
	A	B	C	D	E	EE	F	J	K	L		
1. Bangalore ...	12	116	...	...	52	..	...	1	...	...	181	175
2. Kolar ...	8	53	...	...	27	2	...	5	...	...	95	128
3. Tumkur ...	5	25	...	1	31	...	...	...	...	...	62	71
4. Mysore ...	9	60	...	4	36	1	..	2	...	...	112	104
5. Hassan ...	1	32	...	15	77	...	1	...	...	...	126	180
6. Shimoga ...	1	71	...	14	33	...	...	...	...	...	119	126
7. Kadur ...	7	29	1	6	22	...	...	...	...	...	65	88
8. Chitaldrug ...	5	25	...	...	15	2	...	..	...	...	47	50
Total ...	48	411	1	40	293	5	1	3	...	...	807	922

Observations on the issue of Licenses by the District Magistrates.—A few irregularities observed in the monthly statements of licenses issued in the districts such as licensing larger quantities of explosives and levying less fees than prescribed in the rules, were promptly brought to the notice of the licensing authorities concerned and the defects got remedied.

Departmental Inspection of Magazines and Premises.—All the main and subsidiary magazines included in the licenses granted by Government for the posse ssion of specified explosives both on the Kolar Gold Field and outside and all the daily supply magazines at shaft heads, have been inspected in detail during the year by the officers of this department. The magazines are in good order and their up-keep and supervision well attended to. As usual, the Companies have been found to be most willing to carry out any recommendations made by this department.

In addition, the Electrical and Public Works Department Magazines at Rottikatta, Shimsha, Tumkur, Shimoga and those under the control of the Mysore Iron and Steel Works at Bhadravati, Kemmangundi and Bhadigund were inspected during the year. Some of the premises licensed for the manufacture, possession and sale of gunpowder and fireworks in Bangalore and Mysore Cities and Davangere were also inspected during the year when the rules on the subject were explained in detail to the licensees and safe methods of manufacture and storage advised.

Condition of Explosives.—The physical condition of all explosives in the different magazines were found to be good except the following :—

During the year, the Ooregum Gold Mining Company of India, Ltd., sent to this Department for examination 52 cartridges of Polar Ammon Gelatine Dynamite (7/8") and 300 coils of Fuse (D. C. No. 6) which were found to be defective and were therefore destroyed.

During the inspection of Nobel's Explosives Magazines, Bangalore City, a box of old Cordeau Countered Fuse was found in stock and the same was despatched by the Agent to Madras for destruction.

The General Manager, Mysore Iron and Steel Works, Bhadravati, was advised to destroy an old stock of 250 percussion caps which were found in the Bhadravati Explosives Magazine and 48 coils of defective fuse held in stock in Kemmangundi Magazine.

Authorised Explosives.—A list of explosives at present authorised for importation into the State for general sale, adopted from the list of explosives authorised for importation into British India, is given in Appendix III.

Government Magazines in charge of Civil Officers (Public Works and Electrical).—Fourteen reports of inspection of these magazines by the officers of the Public Works, Iron Works and Electrical Departments have been received in this office and the defects which required remedying have been brought to the notice of the officers concerned.

Inspection by the Magistracy and Police.—The total number of inspections of explosives premises carried out during the year by the Magisterial and Police Officers empowered to conduct them under Rule 125, Mysore Explosives Rules, was 874 compared with 582 during the previous year, an increase of 292 inspections, which though apparently gratifying is not satisfactory as the percentage of licensed premises inspected was only 32·49 as compared with 50·30 in the previous year. This increase in the number of inspections is due to the same premises in towns being inspected more than once in the year, leaving out a large number of premises in the interior uninspected.

Two hundred and fifty-eight premises or 32·49 per cent of the total number licensed (794) excluding the eight magazines licensed by Government for the possession of specified high explosives and 5 'EE' licenses issued for the possession of small quantities of gunpowder only required for blasting purposes, have been inspected by the District Officers.

The following table gives the number of licenses issued in the several districts and the percentage of premises inspected in each during 1937 and the two previous years:—

District	No. of licenses issued during			Percentage of premises inspected during			Remarks
	1937	1936	1935	1937	1936	1935	
1. Bangalore ...	181	175	218	15·00	20·75	12·80	1 Granted by Government.
2. Kolar ..	95	128	211	34·09	46·55	47·27	5 Do
3. Tumkur ...	62	71	71	19·35	36·67	72·41	
4. Mysore ...	112	104	80	68·81	85·71	16·92	2 Do
5. Hassan ...	126	180	105	26·19	41·82	48·98	
6. Shimoga ...	119	126	69	32·77	51·43	81·88	
7. Kadur ...	65	83	104	43·08	63·46	97·87	
8. Chitaldrug ...	47	50	43	31·11	80·65	100·00	
Total ...	807	922	901	*32·49	*50·30	*49·90	

*These percentages are obtained after excluding the Magazine Licenses brought under the direct inspection of the Chief Inspector of Mines and Explosives and the licenses issued in Form EE (granted to cultivators and others) to possess small quantities of gunpowder required for blasting purposes.

Theft of Explosives.—During the year a case of theft from the Explosives Magazine in charge of Messrs. The Tata Iron and Steel Works at Dodkanya, involving 50 dynamite cartridges, 291 detonators and 15 coils of fuse was reported to this department. This case was struck off as all efforts made by the Police to trace the stolen explosives proved futile.

Prosecution for unlicensed Manufacture of or dealing in Explosives.—There were 38 cases of prosecution under the Mysore Explosives Act and Rules thereunder during the year resulting in the conviction of 35 persons and acquittal of eight others. Nine of these were in connection with accidents.

The following table gives the number of cases launched in each district together with the result thereof :—

District	No. of cases	Nature of offence	No. of persons charged	No. of persons convicted	Result
Bangalore ...	3	Unauthorised manufacture and possession of fireworks.	3	3	One convicted and released on a bond for Rs. 100 to be of good conduct for one year. One fined Re. 1. In one other case a person was fined Rs. 2 or in default one day's simple imprisonment.
Do ...	2	Unauthorised possession of gunpowder.	2	2	Fined Rs. 2 and annas 8, respectively.
Do ...	4	Unlicensed possession and sale of explosives.	4	4	Fined Rs. 15 each.
Kolar ...	2	Unauthorised possession of gunpowder for blasting purposes.	3	1	Fined Rs. 75 or in default 3 month's rigorous imprisonment. Two acquitted.
Do ...	2	Unauthorised manufacture, possession and sale of fireworks.	4	2	Two fined Rs. 7 and Rs. 5, respectively. Two acquitted.
Tumkur ...	1	Violation of conditions of a license ...	1	1	Fined Rs. 10.
Do ...	2	Unauthorised possession and sale of fireworks.	2	2	Fined Rs. 5 and Rs. 10.
Do ...	1	Unauthorised importation and possession of prohibited explosive.	1	1	Fined Rs. 10.
Do ...	1	For possessing explosives in excess of the quantity permitted by the license.	1	1	Fined Rs. 20 or in default one month's rigorous imprisonment.
Mysore ...	8	For dealing in larger quantities of fireworks than licensed.	8	8	Fined Rs. 60, Rs. 50, Rs. 30, Rs. 25 and Rs. 15; three others Rs. 20 each.
Do ...	1	Unauthorised possession of explosives.	1	1	Fined Rs. 2.
Do ...	2	Unauthorised manufacture ...	2	1	Fined Rs. 30 or in default 2 weeks' simple imprisonment.
Do ...	4	Unauthorised sale of fireworks ...	4	4	Fined Rs. 10 each.
Hassan ...	1	Unauthorised manufacture of fireworks.	2	...	Acquitted.
Shimoga ...	1	Violating conditions of a license ...	1	1	Fined Rs. 15.
Do ...	1	Unauthorised possession of fireworks.	1	1	Fined Rs. 8.
Chitaldrug ...	1	Unauthorised possession of fireworks.	1	1	Fined Rs. 5.
Do ...	1	Unauthorised transport of explosives.	2	1	Fined Rs. 5; one acquitted.

Accidents.—In all there were reported to this department during the year 50 accidents due to explosives involving the death of 16 persons and injuries to 60 others compared with 41, 18 and 54, respectively, during 1936. Of these, 12 occurred on the Kolar Gold Field resulting in the death of seven persons and serious injuries to 15 others. Drilling into or intersecting sockets were the chief causes of these mining accidents.

A list of accidents, with a brief description of each, that occurred outside the Kolar Gold Field mining area is given in Appendix II.

Departmental action in connection with Accidents.—In 9 out of 12 accidents that occurred on the Kolar Gold Field, departmental action was taken. Of the remaining three cases, two were due to recklessness on the part of the deceased persons themselves and the injuries sustained by the person responsible for the third were considered sufficient punishment. The mestris or blasters responsible for three of the nine accidents were suspended from working as such for a period of three months and the certificate of the mestri concerned in another case was cancelled. Prosecution was launched against five persons responsible for five separate accidents. In two cases, two persons were convicted and sentenced to pay fines of Rs. 10 and Rs. 20 respectively, while in two other cases, the persons were convicted and sentenced to undergo imprisonment for three months and one month, respectively, in addition to a fine of Rs. 25 in the latter case. The last case was struck off the file as the accused person absconded.

Explosives imported into the State.—The following statement shows the quantities of explosives that were imported into the State during 1937 compared with those of the previous year :—

Description		1937	1936	Increase	Decrease
Gunpowder ...	... Lbs.	5,054	5,646	...	592
Percussion caps ...	... No.	1,153,000	1,214,500	...	61,500
Dynamite ...	... Lbs.	239,600	275,000	...	35,400
Blasting Gelatine ...	... ,,	482,500	492,500	...	10,000
Gelignite ...	... ,,	86,250	50,000	36,250	..
Safety Fuse ...	.. Coils.	371,925	344,050	27,875	...
Safety Fuse Lighters ...	... No.	80,000	115,600	...	35,600
Detonators ...	... ,,	2,930,500	2,090,000	840,500	...
Sulphur ...	... Lbs.	45,543	202,687	...	157,144
Loaded rifle cartridges ...	... No.	12,410	9,551	2,859	...
Do gun do ...	... ,,	106,090	80,560	25,530	...
Do revolver do ...	... ,,	7,250	10,275	...	3,025
Do pistol do ...	... ,,	325	921	...	596
Empty gun cartridges ...	... ,,	3,000	8,025	...	5,025
Shots ...	... Lbs.	450	...	450	...
Empty revolver cartridges	... No.	...	100	...	100

Explosives confiscated to Government.—Ten pounds in all of blasting gelatine, gelatine dynamite and gelignite seized by the Bangalore City Police from a non-licensee who was convicted and sentenced to pay a fine of Rs. 25, were ordered to be confiscated to Government by the the Magistrate. These were sold and the sale proceeds credited to Government. Three lead azide detonators, three cartridges of blasting gelatine and six feet fuse seized by the Kolar Gold Field Police in another case and ordered by the Magistrate to be returned to the Common Nominee of the Mining Companies, were destroyed.

Amendments to the Mysore Explosives Rules—(Import Licenses).—Government in their Notification No. D. 1929—Geol. 82-36-6, dated 24/26th August 1937, amended Article 1, Schedule I, Mysore Explosives Rules, and empowered the District Magistrates to grant Import Licenses free of charge by prescribing the following procedure to be adopted in the matter of obtaining licenses for the export of explosives from British India into the Mysore State :—

Prior to applying for an export license, the licensee must obtain an import license which is granted free of charge from the District Magistrate of the District whereto he wishes to import explosives, *vide* article 1, Schedule I, Mysore Explosives Rules (amended). Then an application for the export of explosives from British India into Mysore State should be submitted to the Hon'ble the Resident in Mysore through the District Magistrate together with the license granted for the import of explosives, the possession license and the stock certificate. The requisite fee for an export license, *viz.*, Rs. 5 should be paid to the Resident's Treasury in cash by postal money order or in a registered cover.

Government also amended Condition 7 (2) of License Form B of the Rules by raising the quantity of manufactured fireworks that could be possessed in Mode 'B' from 50 to 100 lbs. in their Notification No. D. 6869—Geol. 55-37-5, dated 29/30th March 1938.

Petroleum.

Number of Licenses Issued.—During the calendar year 1937, 174 licenses were issued under the Mysore Petroleum Act and rules, of which 140 were for the import, transport or possession of dangerous petroleum and 34 for non-dangerous petroleum. Sixty of the former were granted in Form Q under Rule 6, Chapter VI, Part II of the Petroleum Rules, for the storage of dangerous petroleum in underground tanks attached to kerbside pumps.

The following statement gives the number of licenses issued in each district during the year in various forms :—

District	Forms														Total for 1937	Total for 1936
	A	B	C	D	E	F	G	H	L	M	O	P	Q	R		
1. Bangalore ...	...	2	2	...	...	...	2	4	...	3	...	...	18	...	31	34
2. Kolar ...	...	3	...	1	6	...	...	..	...	...	...	1	6	1	18	20
3. Tumkur ...	3	3	3	...	...	2	...	1	...	...	...	...	3	...	15	10
4. Mysore ...	1	3	2	...	4	3	...	1	...	...	...	...	18	4	41	33
5. Hassan ...	1	3	4	...	1	...	...	...	...	...	...	...	4	1	14	15
6. Shimoga ...	2	4	7	...	3	...	...	.	...	...	...	...	3	2	21	15
7. Kadur ...	4	9	4	...	...	...	...	...	...	...	...	...	4	...	21	14
8. Chitaldrug ...	4	1	1	...	2	...	...	...	...	...	...	.	4	1	13	13
Total ...	15	33	23	1	16	5	2	6	...	3	...	1	60	9	174	154

License Fees.—The total amount of fees realised during the year under report was Rs. 3,438 as against Rs. 3,122 in the previous year.

Inspections.—The major petroleum installations both bulk and non-bulk in the Districts of Bangalore, Mysore, Tumkur, Hassan, Shimoga, Kadur and Chitaldrug were inspected by the officers of this department during the year.

Accidents.—No accidents from dangerous petroleum were reported to this department during the year.

Prosecutions.—There were ten cases of prosecution under the Mysore Petroleum Act and Rules thereunder. In six cases in the Kolar District six persons were charged for the unauthorised possession and transport of dangerous petroleum and they were convicted and sentenced to pay fines ranging from Rs. 3 to Rs. 5 and petroleum in their possession aggregating 58¾ gallons was ordered to be confiscated to Government by the Magistrate. In the remaining four cases two persons in the Tumkur District were fined Rs. 5 each and two in the Chitaldrug District were fined Rs. 30 each for a similar offence.

Petroleum imported into the State.—The total quantities of dangerous petroleum and kerosene oil imported into the State during the calendar year 1937 were 2,535,378 and 3,956,640 gallons, respectively, as against 2,068,789 and 3,858,118 gallons, respectively, imported during 1936.

Carbide of Calcium Rules.—Five licenses for the possession of calcium carbide were current during the year.

Petroleum Act and Rules.—The Mysore Patroleum Act and the Rules thereunder have been revised and submitted to Government for approval.

OORGAUM, K. G. F.
15th September 1938.

K. DURAISWAMIER,
Chief Inspector of Mines and Explosives in Mysore.

Statement of Capital employed, etc., in Gold Mines wo in the State of

1936.

NAME OF MINING COMPANY	Nominal Capital £ Stg.	Shares: Number issued	Shares: Par Value, Shillings	Shares: December Prices Min.	Shares: December Prices Max.	Paid-up Capital: Per Share, Shillings	Paid-up Capital: Total £ Stg.	Dividends Paid: Amount £ Stg.	Dividends Paid: Percentage of Paid-up Capital	Fine Gold and Silver Produced: Mint Fine Gold Ounces	Fine Gold and Silver Produced: Value £ Stg.	Fine Gold and Silver Produced: Mint Fine Silver Ounces	Fine Gold and Silver Produced: Value £ Stg.	Fine Gold and Silver Produced: Total value of Fine Gold and Silver £ Stg.	Royalty Payable to Government: At 5 per cent on the value of gold and silver produced less refining charges £ Stg.	Royalty Payable to Government: Percentage on dividends (X) or adjusted profits (Y) as per sanctioned sliding scale (f) Rate	Royalty Payable to Government: Amount £ Stg.	To £ S
A. DIVIDEND PAYING.											(a)							
Mysore Go Mining Company, Limited	610,000	1,220,000	10	25/3	26/3	10	610,000 0 0	167,750 0 0	27½	97,158·869	677,838 5 3	6,016·37	529 19 3	678,368 6	33,769 11 2	10	(y) 13,561 16 7	47,3
Champion ef Gold Mines of India, Limited	325,000	650,000	10	42/9	43/9	10	325,000 0 0	146,220 8 6	45	69,468·511	484,497 0 1	4,892·68	463 2 2	484,960 2 3	209 18 1	20	(y) 24,120 16	48,2
Ooregum G Gold Mining Company of India, Limited ...	Ord. 290,000 / Pref. 120,000	481,544 / 240,000	10 / 10	13/6 / 19/6	14/6 / 20/6	10 / 10	240,772 0 0 / 120,000 0 0	39,057 18 0	7½ / 17½	51,147·101	356,854 8 2	5,433·03	530 17 2	357,385 5 4	17 8 10	5	(x) 1,301 18 7	19,0
Nundydroo Mines Limited	283,000	566,000	10	61/0	62/0	10	283,000 0 0	205,175 0 0	72½	114,061·672	794,842 19 9	9,002·58	869 14 8	795,712 1 5	39 14 8	30	(y) 59,608 14 10	98,9
Total ..	1,628,000	3,157,544	..	...	..	...	1,578,772 0	558,203 6 6	35·36	331,856·153	2,314,032 13 3	25,344·66	2,393 13 3	2,316,426 6 6	115,029 12 9	...	98,593 6 7	213,6
																	Increase for 19	
																	Decrease for	
B. PRODUCING GOLD, BUT NOT PAYING DIVIDENDS. Nil.	.....	...	...	.....	...	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	
Total ...	.....	...	...	.....	...	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	...	.....	
																	Increase fo	
																	Decrease for 1	
C. WORKING, BUT NOT PRODUCING GOLD. Nil.	.....	.....	...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	
Total ...	.....	.....	...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	
Total of A, B and C ...	1,628,000	3,157,544	...	...	...	..	1,578,772 0 0	558,203 6 6	35·36	331,856·153	2,314,032 13 3	25,344·66	2,393 13 3	2,316,426 6 6	115,029·12 9	...	98,593 6 7	213,62
																	Increase for 19	
																	Decrease for 19	

Nominal Capital £ Stg.	Number issued
610,000	1,220,000
325,000	650,000
(Ord. 290,000 / Pref. 120,000	481,544 / 240,000
283,000	566,000
1,628,000	3,157,54
.....	.....
.....	.....
.....	.....
.....	.....
.....	.....
.....	.....
.....	.....
.....	.....
1,628,000	3,157,
.....	.....
.....	.....

Mysore for the years 1936 and 1937.

Table 1.

1937.

Shares			Paid-up Capital		Dividends Paid		Fine Gold and Silver Produced					Royalty Payable to Government				Total dividends paid up to date £ Stg.	REMARKS
Par Value, Shillings	December Prices		Per Share, Shillings	Total £ Stg.	Amount £ Stg.	Percentage of Paid-up Capital	Mint Fine Gold Ounces	Value £ Stg.	Mint Fine Silver Ounces	Value £ Stg.	Total value of Fine Gold and Silver £ Stg.	At 5 per cent on the value of gold and silver produced, less refining charges £ Stg.	Percentage on dividends (X) or adjusted profits (Y) as per sanctioned sliding scale (f) Rate	Amount £ Stg.	Total £ Stg.		
	Min.	Max.															
10	22/6	23/6	10	610,000 0 0	167,760 0 0	27½	98,063·830	683,479 15 1	5,522·81	542 18 6	684,022 13 7	34,017 10 9	10	(y) 14,094 13 1	48,112 3 10	(b) 11,266,269 13 9	(a) Values are taken from Companies' reports.
10	41	42	10	325,000 0 0	198,125 0 0	42½	69,998·803	487,811 17 10	5,120·82	498 9 7	488,310 7 5	24,251 18 4	15	(y) 17,546 13 2	41,798 11 6	5,466,811 17 0	(b) In addition to this, the Company paid as dividends i a sum of £87,500, being the realization by sale of pr to the Champion Reef Company.
10	10/9	11/9	10	240,772 0 0	30,088 12 0	5	50,740·386	353,755 16 2	5,304·29	535 1 10	354,290 18 0	17,600 15 3	5	(x) 1,001 5 9	18,602 1 0	4,020,562 6 6	
10	16/6	17/6	10	120,000 0 0		15											
10	53/8	54/8	10	283,000 0 0	183,950 0 0	65	111,907·204	779,810 7 1	8,694·65	871 16 8	780,682 3 9	38,638 0 11	25	(y) 46,292 7 8	84,930 8 7	(c&d) 4,254,904 9 4	(c) In addition to this amount, £8,843-15-0 on the valuation of 2s. 6d. per share on 70,750 shares Jibutil Gold Mines of Anantapur, Ltd., were dist on 13th December 1911.
																	(d) Includes £140,652-19-10 paid by the then Nund Gold Mining Co., Ltd.
				1,578,772 0 0	519,863 12 0	32·23	330,710·223	2,304,857 16 2	24,642·07	2,448 6 7	2,307,306 2 9	114,508 5 8	...	78,984 19 8	193,448 4 7	25,058,568 6 7	(f) Royalty is calculated at two-thirds of the rate sh this column.
...	...	...	...	.....	.....	...	.....	.....	.....	54 13 4	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	38,339 14 6	3·13	1,145·930	9,174 17 1	702·59	.....	9,120 3 9	521 7 6	...	19,658 6 11	20,179 14 5	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
...	...	...	...	.....	.....	...	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	
14	...	...	...	1,578,772 0 0	519,863 12 0	32·23	330,710·223	2,304,857 16 2	24,642·07	2,448 6 7	2,307,306 2 9	114,508 5 8	...	78,984 19	193,448 4 11	(e) 25,058,801 4 0	(e) Includes £30,632-11-11, paid by the Coromandel Gold Co. of India, Ltd., and £19,600-5-6 paid by the West and the Mysore Wynaad Gold Companies,
	...	...	...	.....	.....	...	.....	.....	.....	54 13 4	.....	.....	...	.....	.....	.....	
	...	...	...	.....	38,339 14 6	3·13	1,145·930	9,174 17 1	702·59	.....	9,120 3 9	521 7 6	...	19,658 6	20,179 14 5	.....	

Machinery and Plant in use at Mines in

SPECIF CA

NAME AND SITUATION OF MINE	STEAM POWER																															
	Boilers						Steam Engines																									
	Number		Aggregate Area and Capacity (of those in use)				Winding and Hauling			Pumping			Air Compression			Locomotives			For other purposes			Total Maximum B. H. P. developed	Number									
	Total	In use	Grate Area Sq. feet	Heating Surface, Sq. feet	Maximum Evaporative Capacity, Gallons per hour	Actual Evaporation, Gallons per hour	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed										
							Total	In use		Total	In use		Total	In use		Total	In use		Total	In use												
1. The Mysore Gold-Mine, Bowringpet Taluk, Kolar District ...	1	1	10·00	183·00	120·00	50·00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,572									
2. The Champion Reef Gold Mine do do	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,961									
3. The Ooregum Gold Mine do do	11	5	186·50	5,056·00	2,741·00	2,065·00	1	1	950	...	...	...	1	...	...	...	...	...	...	...	950	2,206										
4. The Nundydroog Gold Mine do do	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,914									
5. The Mysore Chromite, Ltd., Mysore Taluk, Mysore District ...	2	2	30·00	363·00	150·00	105·00	2	2	28	...	...	...	...	...	...	...	...	...	...	...	...	28	76									
Total ...	14	8	226·50	5,602·00	3,011·00	2,220·00	3	3	978	...	...	...	1	...	...	...	...	...	...	...	...	978	10,729									
Total for 1936 ...	15	9	226·50	5,830·00	3,011·00	2,220·00	4	3	978	...	...	...	...	...	...	...	...	...	...	...	...	978	11,012									

Boilers classed according

TYPE OF BOILER	Number		Aggregat	
	Total	In use	Grate Area, Sq. feet	Heating Sq. f
Lancashire	7	2	104·00	1,9
Vertical	4	4	60·00	
Horizontal	1	1	10·00	
Babcock and wilcox ...	2	1	52·50	2
Total ...	14	8	226·50	5
Total for 1936 ...	15	9	226·50	5

State of Mysore during the year 1937.

ON No. 1.

Table 2.

PS	Annual consumption B. T. U.	ELECTRICITY — MOTORS — Cauvery Power: Number Total	Number In use	Used for	Nominal H. P.	Rating in H. P.	Average constant H. P. absorbed	Annual consumption B. T. U.	Kolar Mines Power: Number Total	Number In use	Used for	Nominal H. P.	Maximum H. P. developed	Annual consumption B. T. U.	REMARKS
14	224,298	59	58	7 Air Compressors ... ... 5 Mill .. .. 15 Ventilating Fans ... ... 12 Pumps ... ... 4 Slimes Plant .. .. 9 Tube Mills ... ... 1 Mortar Mill ... ... 4 Tramming ... ... 1 Battery charging	5,046·00	4,256	3,430	22,419,597	71	66	9 Air Compressors ... ... 2 Converter Set ... ... 2 Fans ... ... 2 Electric Locomotives ... ... 8 Stone Crushers ... ... 17 Hoists ... ... 2 Fitting Shop .. .. 3 Saw Mills ... ... 1 Cyanide Dept. (Driving Machines) ... 8 Pumps	8,640·75	4,194·00	5,628,828	
4·24	147,184	28	28	30 Air Compressors ... ... 1 Mill ... ... 5 Ventilating Fans ... ... 6 Pumps ... ... 3 Slimes Plant ... . 4 Tube-Mills ... . 1 Filter Plant ... ... 1 Cooler	5,250·00	4,869	3,597	23,510,050	69	69	2 Blowers ... . 1 Oil Filter ... . 2 Welding ... . 1 James Table .. .. 1 Slag Treatment ... ... 1 Slimes Plant ... ... 1 Weigh Bridge ... . 1 Rotap Shaker ... ... 6 Fans	6,422·75	4,665·25	5,995,050	
18·41	198,889	47	42	6 Air Compressors ... ... 1 Mill ... ... 2 Cyanide and Slimes Plant ... 9 Pumps ... . 20 Ventilating Fans ... ... 4 Tube Mills	5,156·00	4,033	2,898	18,942,100	50	50	22 Hoists and Accessories ... ... 8 Air Compressors ... ... 1 Picking Floor ... . 1 Fitting Shop ... ... 1 Carpenters' Shop... ... ... 1 Extractor House ... ... 1 Assay Office Crusher ... ... 1 Concentrating Table ... ... 1 Printing Press .. ... 1 Mortar Mill ... ... 1 Endless Ropeway ... ... 4 Pumps .. .. 2 Mills ... ... 1 Cyanide works ... . 1 Blacksmith Shop Fan .. ... 4 Dairy ... ... 1 Zinc Lathe .. ... 1 Jumper Shop. ... 2 Welding ...	4,802·50	4,857·50	4,705,954	
16·56	225,295	46	45	10 Air Compressors ... ... 2 Mill ... . 10 Ventilating Fans .. ... 14 Pumps .. .. 8 Slimes Plant ... ... 5 Tube Mills ... ... 1 Vortex Mixer	6,794·50	5,424	3,986	26,049,800	123	117	35 Hoists and Accessories ... ... 6 Stone Breakers ... . 30 Pumps ... ... 8 Fitting Shop ... . 1 Mortar Mill ... ... 2 Slimes Plant ... . 5 Smith Shop .. .. 1 Moulding Shop ... ... 3 Cranes ... ... 3 Air Compressors ... ... 2 Battery charging set ... 5 Jumper Shop ... ... 8 Fans ... ... 2 Sorting quartz .. .. 2 Carpenters shop ... ... 3 Mill ... ... 1 Bath Furnace	10,528·75	5,107·00	9,223,703	
2·28	6,566	9	9	7 Pumps ... — ... ... 2 Winches	209.00	125	...	185,280	...	...	.....				
504·63	801,682	189	132	.....	22,455·50	18,707	13,911	91,106,827	313	302	.....	29,894·75	18,823·75	25,553,535	
512·41	753,081	175	168	.....	21,500·50	17,943	13,880	87,795,724	292	281	.....	28,133·10	20,724·50	22,828,419	

Type.

AREA AND CAPACITY (of those in use)		
Surface,	Maximum Evaporative Capacity, Gallons per hour	Actual Evaporation, Gallons per hour
·00	1,176·00	740·00
·00	446·00	350·00
·00	50·00	·00
·00	1,340·00	1,·00
·00	3,011·00	2220·00
·00	3,011·00	2,220·00

Machinery and Plant in use at Mines in the St

SPECIFICATION N

MINING MACHINERY

NAME AND SITUATION OF MINE	WINDING ENGINES AND HOISTS																		PUMPING ENGINES AND PUMPS (MINE PUMPS ONLY) (a)								AIR COMPRESSOR					
	Surface								Underground				Miscellaneous						Steam			Electric			Compressed Air			Steam			Electric		
	Steam			Electric			Compressed Air		Electric		Compressed Air		Electric		Compressed Air				Number			Number			Number			Number			Number		
	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Number		Maximum B. H. P. developed	Total	In use	Maximum capacity in gallons per hour	Total	In use	Maximum capacity in gallons per hour	Total	In use	Average quantity of water pumped, Gallons per hour	Total	In use	Average quantity of free air delivered per minute, Cubic feet	Total	In use	Average quantity of [illegible]
	Total	In use		Total	In use		Total	In use		Total	In use		Total	In use		Total	In use															
The Mysore Gold Mine, Bowringpet Taluk, Kolar District	...	...	...	5	5	3,045	8	8	1,060	7	7	857	18	18	329	2	2	8	...	..	...	...	...	...	...	12	12	23,460	24,920	52	25	40,000	1,320	...	...	...	9	9	14,0
The Champion Reef Gold Mine do do ...	...	...	...	3	3	1,560	4	4	223	2	2	1,350	46	46	1,229	3	3	45	...	...	...	...	...	...	...	8	8	37,007	4,313	11	9	9,220	1,295	...	...	...	6	6	19,1
The Ooregum Gold Mine do do ...	3	3	1,775	4	4	1,345	2	1	45	5	5	2,605	33	31	471	3	3	95	...	...	...	...	...	...	...	7	7	54,000	16,891	11	(b) 8	..	1	...	...	...	8	8	8,9
The Nundydroog Gold Mine do do ...	1	...	...	5	5	3,810	2	2	470	10	10	355	37	37	53	4	4	80	1	1	5	...	...	...	...	21	19	150,970	82,052	81	31	25,500	2,117	...	...	...	12	12	23,2
Total ...	4	3	1,775	17	17	9,760	16	15	1,798	24	24	4,767	134	132	2,082	12	12	228	1	1	5	..	...	...	...	48	46	337,437	77,176	105	73	74,720	13,412	1	...	..	35	35	66,4
Total for 1936 ..	4	3	1,775	18	18	10,360	15	14	1,688	21	21	4,887	123	118	2,690	12	12	228	1	1	5	...	..	...	...	45	43	307,937	66,290	107	75	79,540	17,052	1	..	..	34	34	64,5

(a) Not including pumps for mills, cyanide works, etc.

e of Mysore during the year 1937.

2.

Table 3

REDUCING MACHINERY AND TAILINGS PLANT

Rock Drills				Ore Feeders			Crushing, Grinding and Amalgamating										Tube Mills			Sands Plant			Cyaniding									
		Average Number in use					Rock breakers			Stamps													Slimes Plant									
Average quantity of free air delivered per minute, Cubic feet	Average air pressure in receiver	Stoping	Development	Approximate quantity of free air consumed per minute	Number			Number			Number		Weight in lbs. of each head	Number of drops per minute	Height of drop in inches	Depth of discharge in inches	Screens			Number			Number of Vats		Total Capacity of Vats, Tons	Total Capacity of Plant for 24 hours	Number of Collectors		Number of Agitators		Vacuum Filters		Total Capacity of Plant for 24 hours, Tons	REMARKS
					Total	In use (average)	Type	Total	In use	Type	Total	In use					Kind of Screen	Number of holes per sq. inch	Total	In use	Size	Total	In use			Total	In use	Total	In use	Type	Type		
	lbs. per sq. in.			Cubic feet																												
14,028	47	22·00	70·00	14,450·00	20	20	Challenge	4	4	Bigelow Jaw Crusher	100	100	1,150	98	8·00	2·50	Woven wire	9 & 64	5	5	18′×6′	...	...	...	...	3	3	7	7	Mechanical and Pachuca.	Butters	750	
19,198	51	39·00	50·00	10,857·00	12	8	Do ...	4	2	Blake Marsden	60	40	1,250	96	8·00	3·00	Do	9	7	4	19′×4½′	...	...	...	...	4	4	9	9	Brown Pachuca.	Butters	500	
8,932	44	15·50	57·59	12,002·50	14	13	Do ...	4	4	2 Do 2 Gates	65	65	1,300	96	9·00	2·50	Woven wire	9	4	4	(3) 22′×5½′ (1) 18′×6′	...	...	..	...	5	5	4	4	Mechanical	Butters	1,100	(b) used occasionally
23,262	59	21·38	75·25	12,892·00	16	16	Do ...	4	4	Jaw ...	70 10	70 10	1,250 850	96	9·00	2·00	Do ...	9	5	5	(1) 18′×6′ (4) 16′×6′	...	...	...	...	4	4	7	7	Brown Pachuca.	Do	1,065	
65,420	50	97·88	252·85	50,203·50	62	57	...	16	14	...	305	285	1,280	97	8·50	2·50	...	...	21	18	...	...	...	...	...	16	16	27	27	...	...	3,415	
64,908	51	95 95	286·61	47,931·50	64	58	...	16	14	...	320	290	1,280	97	8·50	2·50	...	...	22	19	...	...	...	...	...	16	16	27	27	...	...	3,202	

Statement of work done and number of persons employed at Mines working in the State of

NAME AND SITUATION OF MINE	MINING				TONS OF MATERIAL TREATED								
					ORE					TAILINGS			
	Feet driven (including shafts sunk)	Shafts sunk (feet)	Stoping (cubic fathoms)	Total material excavated (tons)	Raised to surface	Percentage sorted out as waste	Ore obtained	Milling and amalgamating: Crushed by stamps and tube mills	Milling and amalgamating: Crushed per stamp per 24 hours	Sands and slimes treated by cyanide	Aggregate amount treated in mills and by tailings process	Europeans	Anglo-Indians
GOLD.													
1. The Mysore Gold Mine, Bowringpet Taluk, Kolar District ...	18,730·50	652·00	8,686·56	269,505·37	216,084·00	6·43	200,914·00	(a) 207,381	8·95	207,381	414,762	48	6
2. The Champion Reef Gold Mine do do ...	8,947·00	1,556·00	5,664·72	215,596.01	167,127·00	9·77	150,792·00	(b) 151,050	11·15	151,050	302,100	41	3
3. The Ooregum Gold Mine do do ...	12,944·00	437·00	4,506·79	167,866·85	(c)171,716·00	12·18	150,807·00	(d) 155,338	11·76	296,740	452,078	50	3
4. The Nundydroog Gold Mine do do ...	22,410·00	1,132·00	9,651·69	361,573·60	259,161·00	9·26	235,162·00	(e) 253,700	11·11	355,000	608,700	43	10
Total for Gold Mines ...	62,031·50	3,777·00	28,509·76	1,014,541·83	814,088·00	9·23	737,675·00	767,469	10·87	1,010,171	1,777,640	182	24
The Indian Mines Development Syndicate, Ltd., Manighatta Block, Kolar Taluk, Kolar District, Special P.L. No. 771.	...	...	...	...	...	...	...	...	...	...	...	...	...
OTHER MINERALS.													
MANGANESE.													
5. The Keshapur Mining Co., Keshapur Block, Holalkere Taluk, Chitaldrug District, M. L. No. 176	...	...	...	...	...	...	1,012·20	...	...	...	...	...	...
Keshapur Tank Block do do P. L. No. 768–803 ...	...	..	...	...	...	...	345·52	...	...	...	...	...	...
6. The Mysore Iron Mines (Government area), Bikkonahalli Block, Shimoga Taluk, Shimoga District.	...	...	...	...	...	...	1,289·84	...	...	...	...	...	...
7. Messrs. V. Manickavelu Mudaliar & Son, Hulikatte Block, Davangere and Jagalur Taluks, Chitaldrug District, M. L. No. 177. ...	..	...	...	...	...	...	1,548·74	...	...	...	...	...	...
8. Mr. H. D. Coggan's Block, Sadarahalli, Holalkere Taluk, Chitaldrug District, P. L. No 7:7—815	...	...	...	...	...	...	30·21	...	...	...	...	...	...
9. Messrs. Narayan Das Girdhardas and Gadigai Channappa, Kalkatti Matti Block etc., Kumsi Sub-Taluk, Shimoga District, P.L. No. 801, ..	...	...	...	...	...	...	112·00	...	...	...	...	...	...
Janahar Block etc., Chiknayakanhalli Taluk, Tumkur District, P.L. No. 792—828	...	..	...	...	...	...	560·00	...	...	...	...	...	...
10. Mr. K. N. Guruswamy's Block, Mattighatta Village, Shikarpur Taluk, Shimoga District, P.L. No. 785.	...	..	...	...	...	...	112·00	...	...	...	...	...	...
11. Mr. B. S. Ameer Ahmed's Block, Nalen koppa, Shikarpur Taluk, Shimoga District, P.L. No. 797.	...	...	...	...	...	...	1,608·00	..	..	...	...	...	...
12. Messrs. Oakley Duncan and Co., Ltd., Mahadevpur Block, Holalkere Taluk, Chitaldrug District, M.L. 179.	...	...	...	...	...	...	245·34	...	...	...	...	...	...
CHROME.													
13. The Mysore Chromite, Ltd., Shinduvalli Mine, Mysore Taluk, Mysore District, M. L. No. 147	2,122	161·00	161·00	19,928·16	17,258·29	...	(f) 10,196·92	...	...	...	...	...	1
Pensamudra Block, M. L. No. 174 and Lakshmidevarahalli Block, P. L. No. 786—821, Arsikere Taluk, Hassan District ...	...	...	...	...	...	...	3,139·08	...	...	...	...	...	...
14. The Government Chrome Committee (Government area), Byrapur Mine, Channarayapatna Taluk, Hassan District	...	...	...	..	...	...	3,983·84	...	...	..	...	...	..
Tallur Mine, Mysore Taluk, Mysore District	...	...	..	...	...	...	1,185·52	...	...	...	...	...	...
15 Messrs. V. Manickavelu Mudaliar & Son, Bhaktarhalli Block, Channarayapatna Taluk, Hassan District, M. L. No. 158	...	...	...	..	..	...	3,976·00		...	...	..	...	...
Chikkonhalli Block, Channarayapatna Taluk, Hassan District, M. L. No. 159	...	...	...	.	...	..	6,048·00	...	...	...	...	...	...
Jambur Block, Channarayapatna Taluk, Hassan District, M. L. No. 160	...	...	...	...	...	..	756·00	...	...	..	...	...	..
16. Messrs. Oakley Duncan & Co. Ltd. Sunkadahalli Block, Arsikere Taluk, Hassan District, M. L. No. 178	...	...	...	...	...	...	182·56	...	...	..	...	...	..
17. Messrs. Oakley Bowden & Co. Ltd., Chikkattur Block, Mysore Taluk, Mysore District, M. L. No. 155	...	...	...	...	..	..	100·64	..	...	..	...	...	...
MAGNESITE.													
18. Messrs. The Tata Iron & Steel Co., Ltd., Dodkanya Block, Mysore Taluk, Mysore District, M. L. No. 150	..	...	...	...	...	...	2,667·06	...	...	..	..	...	...
IRON ORE.													
19. The Mysore Iron Mines (Government area), Kemmangundi, Tarikere Taluk, Kadur District	...	...	..	...	...	...	34,210·40	...	...	...	...	...	...
Thanigebyle Quarries, Tarikere Taluk, Kadur District	..	...	...	...	..	...	2,167·20	..	...	...	...	...	...
DOLOMITE.													
20. The Mysore Iron Mines (Government area), Shankar Mines, Kumsi Taluk, Shimoga District	...	...	...	...	...	..	3,693·76	...	..	..	...	...	...
KAOLIN.													
21. The Kolar Brickmaking Co., Ltd., Karadibande Block, Malur Taluk, Kolar District, M. L. No. 154	.	...	...	...	...	...	1,671·71	...	...	...	...	...	...
Thinnalu Block, Hoskote Taluk, Bangalore District, M. L. No. 175..	..	...	...	...	...	...	1,371·19	...	...	...	...	...	...
22. Mr. V. L. Venugopal's Block, Karadibande Hosaballi, Malur Taluk, Kolar District, P. L. No. 808.	...	...	...	...	..	...	6·72	...	...	...	...	...	...
23. Mr. B. S. Shabuddin's Block, Doddurkarapanahalli, Bowringpet Taluk, Kolar District, P. L. No. 774—809	...	..	...	...	...	...	4·48	...	...	...	..	...	...
24. Mysore Stone-ware Pipes and Potteries, Ltd., Thammanahalli Quarry, Bangalore Taluk, Bangalore District, P.L. No. 818	...	...	...	...	...	...	789·60	...	...	...	...	...	...
Alasandra Block, Bangalore Taluk, Bangalore District, P.L. No. 819 ...	...	...	...	...	...	...	5·60	...	...	...	...	...	...
Sasuveghatta etc., Thammenhalli, Nelamangala Taluk, Bangalore District, P.L. No. 820.	...	...	...	...	...	...	738·60	...	...	...	...	...	...
Kadle gudda etc., Chitaldrug Taluk, Chitaldrug District ...	...	...	...	...	...	...	23·52	...	...	...	...	...	...
25. Mysore Geological Department (Government area), Gollahalli, Nelamangala Taluk, Bangalore District. ...							112·00	...	...	...	...	...	...
HIRIYUR SLABS.													
26. Mysore Geological Department (Government area), Yerradakatte Quarry, Hiriyur Taluk, Chitaldrug District	...	...	...	...	...	...	6,938 sq. ft.	...	...	...	...	...	...
COPPER.													
27. Mr. B. S. Ameer Ahmed, Kalkunda, Nanjangud Taluk, Mysore District P.L. No. 799.	...	...	...	...	...	...	128·80	...	...	...	...	...	...
MICA.													
28. Mr. K. Venkataram Sarma's Block, Vadesamudra, Seringapatam Taluk, Mysore District	...	...	...	...	...	...	1·12	...	...	...	...	...	...
SLATESTONE.													
29. Mr. G. Channaveerappa's Block, Hathyal, Tiptur Taluk, Tumkur District, P. L. No. 778–814	...	...	...	...	...	...	5·04	...	...	...	...	...	...
FELSPAR.													
30. The Mysore Geological Department (Government area), Settihalli Block, Bangalore Taluk, Bangalore District	...	...	...	...	...	...	128·20	...	...	...	...	...	...
LIMESTONE.													
31. The Mysore Iron Mines (Government area), Kondli, Chiknayakanhalli Taluk, Tumkur District	...	...	...	...	...	...	1,383·20	...	...	...	...	...	...
Bhadigund Limestone Quarries, Chennagiri Taluk, Shimoga District ...	...	..	...	...	...	...	5,645·92	...	...	...	...	...	...
SOAPSTONE.													
32. Mr. T. L. Narasinga Bhan's Block, Tiptur Taluk, Tumkur District, C. L. No. 127—130	...	...	...	...	...	...	70·56	...	...	...	...	...	...
33. Mr. G. Channaveerappa's Block, Tiptur Taluk, Tumkur District, C. L. No. 128–131	...	...	...	...	...	...	14·56	...	...	...	...	...	...
34. Messrs. Srichand Jeevaji & Co., Tiptur Taluk, Tumkur District, C. L. No. 129	...	..	...	...	...	...	39·20	...	...	...	...	..	...
QUARTZITE.													
35. TheMysore Geological Department (Government area), Settihalli, Bangalore Taluk, Bangalore District	...	...	...	...	...	...	51·52	...	...	...	...	...	...
Peenya, Bangalore Taluk, Bangalore District	...	...	...	..	.	...	129·36	...	...	...	...	...	...
CRUDE GRAPHITE.													
36. The Mysore Geological Department (Government area), Ganachapur Mine, Bowringpet Taluk, Kolar District	...	...	...	...	...	...	358·96	...	...	...	...	...	...
Total for other Mines ...	2,122	161·00	161·00	19,928·16	17,258·29	...	91,190·09	...	...	...	...	...	
Grand Total ...	65,153·50	3,938·00	28,670·76	1,034,469·99	831,346·29	9·23	828,865·09	767,469	10·87	1,010,171	1,777,640	182	24
Grand Total for 1936 ...	69,283·00	4,412·00	27,935·38	1,026,189·85	815,966·00	10·28	808,773·30	734,187	10·76	650,863	1,772,578	184	21

sons employed at Mines working in the State of Mysore during the year 1937.

Table 4.

TONS OF MATERIAL TREATED							PERSONS EMPLOYED												
ORE					TAILINGS		BELOW GROUND					ON SURFACE							
			Milling and amalgamating										Indians						
	Percentage sorted out as waste	Ore obtained	Crushed by stamps and tube mills	Crushed per stamp per 24 hours	Sands and slimes treated by cyanide	Aggregate amount treated in mills and by tailings process	Europeans	Anglo-Indians	Indians	Total	Tons excavated per man per annum	Europeans	Anglo-Indians	Males	Females	Children under 12 years	Total	Tons handled per person per annum	Total number of persons employed below ground and on surface
·00	6·43	200,914·00	(a) 207,381	8·95	207,381	414,762	48	63	4,515	4,626	58·26	44	97	2,147	285	...	2,673	161·20	7,199
·00	9·77	150,792·00	(b) 151,050	11·15	151,050	302,100	41	37	3,284	3,362	64·13	37	60	1,355	226	112	1,800	167·88	5,162
·00	12·18	150,807·00	(d) 155,338	11·75	296,740	452,078	50	36	2,772	2,858	58·74	35	58	1,459	192	80	1,824	247·85	4,682
·00	9·26	235,162·00	(e) 253,700	11·11	355,000	608,700	43	104	4,311	4,458	81·11	44	86	1,980	270	..	2,380	255·76	6,838
00	9·23	737,675·00	767,469	10·87	1,010,171	1,777,640	182	240	14,882	15,304	66·29	160	301	6,941	983	192	8,577	207·26	23,881
	..	...	...	...	...	...	...	...	182	182	...	3	...	172	1	...	176	...	358
	...	1,012·20	...	...	...	...	...	...	6	6	...	...	...	35	33	5	73	...	79
	...	345·52	...	...	...	...	..	...	...	...	...	...	...	26	29	5	60	..	60
	...	1,289·84	...	...	...	...	...	...	...	...	...	...	...	20	10	...	30	...	30
	...	1,548·74	...	...	...	...	...	...	...	...	...	...	...	15	7	6	28	...	28
	...	30·21	...	...	...	...	..	...	...	...	...	...	...	10	6	...	16	...	16
	...	112·00	...	...	...	...	...	...	...	...	...	...	...	80	30	8	118	...	118
	...	560·00	...	...	...	...	...	...	...	...	...	...	...	65	85	18	168	..	168
	...	112·00	..	...	...	...	...	...	...	...	...	...	...	30	45	...	75	...	75
	...	1,008·00	..	...	...	...	...	...	...	...	...	...	...	25	...	...	25	...	25
	...	245·34	...	...	...	...	...	...	...	...	...	...	...	11	8	2	21	...	21
·29	...	(f) 10,196·32	...	...	...	...	...	1	191	192	..	...	3	39	61	99	202	...	394
	..	3,139·08	...	...	...	...	...	...	4	4	...	...	...	67	26	10	103	..	107
	..	3,983·84	...	...	..	...	...	...	6	6	...	...	...	96	116	57	269	..	275
	...	1,185·52	...	...	...	...	...	...	...	...	...	...	...	15	10	25	50	...	50
	...	3,976·00		...	...	..	...	...	...	..	...	...	...	69	46	28	143	...	143
	...	6,048·00	...	...	...	...	...	...	...	...	...	...	..	23	14	21	58	...	58
	..	756·00	...	...	...	...	...	..	...	...	...	...	..	19	15	13	47	...	47
	...	182·56	...	...	..	...	...	..	...	...	...	..	1	10	8	...	19	...	19
	..	100·64	...	...	..	...	..	...	5	5	...	..	..	1	1	2	4	...	9
	...	2,667·06	...	...	...	..	...	...	...	...	..	...	...	53	51	6	110	..	110
	...	34,210·40	...	...	...	...	...	...	...	..	...	..	...	160	15	...	165	...	165
	...	2,167·20	...	...	...	...	...	...	...	...	...	...	...	25	5	...	30	...	30
	...	8,693·76	...	..	..	...	...	...	...	...	...	...	..	20	10	...	30	...	30
	...	1,671·71	...	...	...	...	...	...	...	...	...	...	...	4	4	...	8	...	8
	...	1,371·19	...	...	...	...	...	...	...	...	...	...	...	2	2	...	4	...	4
	...	6·72	...	...	...	...	...	...	...	...	...	...	...	10	3	...	13	...	13
	...	4·48	...	...	...	..	...	...	...	...	...	...	...	...	...	7	7	...	7
	...	789·60	...	...	...	...	...	...	...	...	...	...	...	30	...	...	30	...	30
	...	5·60	...	...	...	...	..	...	...	...	...	...	...	1	...	...	1	...	1
	...	733·60	...	...	...	...	...	...	...	...	...	...	...	12	8	...	20	...	20
	...	23·52	...	...	...	...	...	...	...	...	...	...	...	25	...	...	25	..	25
	...	112·00	...	...	...	...	...	...	...	...	..	...	..	12	10	1	23	...	23
	...	6,938 sq. ft.	...	...	...	...	...	...	...	...	...	...	...	10	7	2	19	...	19
	...	128·80	...	...	...	...	..	...	...	...	...	...	...	4	...	...	4	...	4
	...	1·12	...	...	...	...	...	...	...	...	..	...	...	18	2	...	20	...	20
	...	5·04	...	...	...	...	...	..	...	...	...	...	...	2	2	...	4	...	4
	...	128·20	...	...	...	...	...	...	...	...	...	...	...	13	13	2	28	...	28
	...	1,383·20	...	...	...	...	...	...	...	...	...	...	...	20	10	...	30	...	30
	...	5,645·92	...	...	...	...	...	...	...	...	...	...	...	20	10	...	30	...	30
	...	70·56	...	...	...	...	...	...	...	...	...	...	...	15	...	...	15	...	15
	...	14·56	...	...	...	...	...	...	...	...	...	...	...	6	...	...	6	...	6
	...	39·20	...	...	...	...	...	...	...	...	...	...	1	3	...	2	6	...	6
	...	51 52	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	...	129·36	...	...	...	...	...	...	...	...	...	...	...	9	5	2	16	...	16
..	...	358·96	...	...	...	...	...	..	...	...	...	...	...	22	25	14	61	..	61
58·29	...	91,190·09	..	...	...	...	...	1	394	895	...	3	5	1,314	733	335	2,390	...	2,785
46·29	9·23	828,865·09	767,469	10·87	1,010,171	1,777,640	182	241	15,276	15,699	66·29	163	306	8,255	1,716	527	10,967	207·26	26,666
86·00	10·28	808,773·30	734,187	10·76	650,868	1,772,578	184	216	14,404	14,804	69·22	162	304	7,362	1,543	406	9,777	212 67	24,581

REMARKS

(a) Includes 6,467 tons from waste dumps.

(b) Includes 258 tons from surface reserve stocks.

(c) Excess due to accumulation of rock underground by falls of ground shaling off, bursting, etc.

(d) Includes 1,253 tons from dumps; 2,808 tons from stock; and 470 tons crushed under Ooregum Nundydroog joint account.

(e) Includes 10,703 tons from dumps; 7,244 tons put to stock.

(f) Includes 15·00 tons of hand washed concentrates, 12·95 tons pebbles collected on surface. In addition 3·24 tons of magnesite was obtained.

Labour included under felspar.

Statement of quanti

NAME AND SITUATION OF MINE	Fuel						Electric Power				Timber			Granite			Cement	
	Indian Coal		Firewood				Cauvery Scheme		Kolar Mines									
	Tons used	Cost	Tons used	Cost	Total Cost	Cost per Ton milled	Total Cost	Cost per Ton milled	Total Cost	Cost per Ton milled	Quantity	Cost	Cost per Ton milled	Quantity	Cost	Cost per Ton milled	Quantity	Cost
		£ Stg.		£ Stg.	£ Stg.	Shillings	£ Stg.	Shillings	£ Stg.	Shillings	C. ft.	£ Stg.	Shillings	Tons.	£ Stg.	Shillings	Tons	£ Stg.
1. The Mysore Gold Mine, Bowringpet Taluk, Kolar District	1,242·67	1,719·79	...	...	1,719·79	0·17	37,924·71	3·66	11,682·91	1·13	152,785	10,356·60	1·00	26,459·43	4,969·62	0·47	3,940·24	11,884·01
2. The Champion Reef Gold Mine do do	948·39	1,370·97	325·79	239·98	1,610·95	0·21	38,381·58	5·08	12,090·27	1·60	71,149	7,935·98	1·05	36,361·25	4,211·00	0·56	3,177·47	10,087·58
3. The Ooregum Gold Mine do do	3,915·49	5,263·82	248·53	168·53	5,432·35	0·70	31,772·91	4·09	13,346·88	1·72	221,618	10,813·46	1·39	8,580·32	1,470·63	0·19	1,045·49	3,187·26
4. The Nundydroog Gold Mine do do	1,082·22	1,562·46	173·36	130·60	1,693·06	0·13	43,849·01	3·46	18,576·50	1·46	268,670	16,394·22	1·29	10,977·73	1,669·15	0·13	1,997·10	5,980·87
Total for Gold Mines ...	7,188·77	9,917·04	747·68	539·11	10,456·15	0·27	151,928·21	3·96	55,696·56	1·45	714,222	45,500·26	1·19	82,378·73	12,220·40	0·32	10,160·30	31,089·22
5. The Mysore Chromite, Ltd., Mysore Taluk, Mysore District, and Arsikere Taluk, Hassan District.	...	...	782·43	426·80	426·80	...	666·59	...	...	..	2,475	155·47	..	...	...	...	...	...
6. The Byrapur and Tallur Mines (Government areas), Channarayapatna Taluk, Hassan District, and Mysore Taluk, Mysore District.	...	...	...	...	...	...	...	...	...	...	59	8·83	...	...	...	...	...	...
7 Messrs. V. Manickavelu Mudaliar and Sons' Blocks, Channarayapatna Taluk, Hassan District, Davangere and Jagalur Taluks, Chitaldrug District.	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
8. Messrs. The Tata Iron & Steel Co., Ltd., Mysore and Nanjangud Taluks, Mysore District.	3·28	7·06	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
9. The Mysore Iron Mines (Government areas), Tarikere Taluk, Kadur District, and Channagiri and Shimoga Taluks, Shimoga District, and Chiknayakanahalli Taluk, Tumkur District.	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
10. The Keshapur Mining Company, Chitaldrug Taluk, Chitaldrug District.	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
Grand Total ...	7,192·05	9,924·10	1,530·11	965·41	10,882·45	0·27	152,594·80	3·96	55,696·56	1·45	716,756	45,664·56	1·19	82,378·73	12,220·40	0·32	10,160·30	31,089·22
Total for 1936 ..	7,336·47	9,842·38	1,276·11	917·25	10,959·63	0·29	146,001·55	3·97	50,422·78	1·37	751,987	47,489·24	1·29	60,294·55	11,900·78	0·32	10,116·56	30,988·77

N.B.—Cost per ton milled refers to Gold Mines only.

Average Wages per Month.

Indians	Europeans	Class

ty and cost of materials consumed and wages paid at Mines working in the State of Mysore for the year 1937.

	Explosives											Light						Mercury			Cyanide				Zinc	
	Blasting Gelatine		Dynamite and other explosives		Detonators		Fuse					Candles		Calcium Carbide												
Cost per ton milled	Quantity	Cost	Quantity	Cost	Number of boxes (100 per box)	Cost	Number of coils (24 feet per coil)	Electric fuse lighters	Cost	Total Cost	Cost per Ton excavated	Cost per Ton milled	Quantity	Cost	Quantity	Cost	Total Cost	Cost per Ton milled	Quantity	Cost	Cost per Ton milled	Quantity	Cost	Cost per Ton treated	Cost per Ton milled	Quantity	Cost
Shillings	lbs.	£ Stg.	lbs.	£ Stg.	(a)	£ Stg.		Number	£ Stg.	£ Stg.	Shillings	Shillings	lbs.	£ Stg.	lbs.	£ Stg.	£ Stg.	Shillings	lbs.	£ Stg.	Shillings	lbs.	£ Stg.	Shillings	Shillings	lbs.	£ Stg.
1·15	155,566	12,545·61	55,502	4,034·43	5,733·18	1,250·45	77,048	12,300	2,470·13	20,300·61	1·51	1·96	1,231	34·64	326,244	3,780·42	3,815·06	0·37	225·00	54·08	0·005	99,232	3,639·22	0·35	0·35	25,661	414·68
1·24	2,883	243·21	136,917	10,040·48	2,986·25	671·90	56,951	23,349	2,087·60	13,043·19	1·21	1·73	585	16·26	273·043	3,964·22	3,980·48	0·58	153·00	53·08	0·007	65,939	2,682·40	0·36	0·36	25,163	166·28
0·41	75,975	6,110·22	41,830	3,075·(8	8,281·00	661·78	43,994	2,590	1,372·35	11,220·02	1·34	1·91	1,036	31·08	148,510	1,731·85	1,762·93	0·23	300·00	69·94	0·009	157,920	5,842·53	0·39	0·75	25,413	384·87
0·47	181,562	14,610·09	45,547	3,334·60	5,918·00	1,200·34	97,823	14,600	3,106·92	22,251·95	1·23	1·75	1,655	44·33	373,730	4,853·81	4,898·14	0·65	300·00	66·71	0·005	215,516	7,835·97	0·44	0·62	25,615	407·68
0·81	415,986	33,509·13	279,796	20,485·19	17,918·43	3,784·47	275,816	52,839	9,037·00	66,815·77	1·32	1·74	4,567	126·31	1,121,527	13,830·30	13,956·61	0·36	978·00	243·81	0.006	538,607	20,000·12	0·89	0·52	101,852	1,673·01
...	6,918	915·81	...	..	322·36	125·20	4,332	...	286·60	1,327·61	...	...	7,932	214·07	...	..	214·07	..	...	...	...	...	...	...	..	...	...
...	135	17·72	(b) 1,264	51·60	25·00	7·03	790	...	27·56	103·91	...	...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	...
...	...	...	106	11·70	7·70	2·80	165	...	7·66	22·16	...	..	...	...	...	...	...	..	...	..	...	...	...	...	...	...	...
...	...	...	(c) 2,939	92·75	21	7·74	1,097	...	34·81	134·80	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	...	...
...	...	...	(d) 4,951	120·13	34	12·75	1,478	...	74·80	207·68	...	...	...	...	...	...	...	..	..	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...
0·81	423,069	34,442·66	289,056	20,761·37	16,274·04	3,989·99	283,678	52,839	9,467·93	68,611·98	1·32	1·74	11,699	340·38	1,121,527	13,830·30	14,170·68	0·36	978·00	243·81	0·006	538,607	20,000·12	0·89	0·52	101,852	1,673·01
0·84	466,862	37,942·10	262,945	19,188·68	16,514·57	4,038·22	282,457	82,938	9,176·17	70,351·07	1·36	1·88	12,218	309·33	1,063,486	12,573·92	12,883·25	0·35	1,128·00	262·21	0·007	540,595	20,733·42	0·40	0·56	116,811	1,652·13

	Covenanted	Uncovenanted	
	£ Stg.	£ Stg.	Rs.
Chief Underground Agents ...	98·75	...	...
Assistant Underground Agents...	46·39	...	...
Foremen ...	30·19	9·60	94·00
Timbermen ...	24·77	14·60	...
Miners ...	19·49	11·00	...
Machine mestris ...	...	...	33·38
Machine coolies ...	...	...	21·13
Handjumper mestris ...	...	...	28·75
Handjumper coolies ...	...	...	18·13
Blasters ...	...	...	36·47
Timber mestris ...	...	...	31·56
Timber coolies ...	...	...	19·41
Stuff mestris ...	...	...	28·31
Stuff coolies ...	...	...	17·53
Skip road mestris ...	...	...	35·24
Skip road coolies ...	...	...	21·94
Landers, platmen and bellmen...	...	...	24·88
Chief Engineers ...	77·08	...	...
Assistant Engineers ...	45·68	...	...
Carpenters ...	31·25	...	34·81
Smiths ...	33·36	...	40·06
Engine Drivers ...	24·27	...	(1) 48·94 (2) 26·06
Boiler smiths ...	...	...	...
Surface coolies ...	...	...	...
Chief Surveyors ...	74·48	...	...
Assistant Surveyors...	38·33	...	...
Chief Metallurgists ...	88·33	...	...
Assistant Metallurgists	41·21	...	...
Millmen ...	19·47	15·21	...
Fitters ...	...	...	(3) 41·50 (4) 36·50
Loco. Drivers ...	...	...	73·50
Average for above classes ...	45·20	12·60	35·66
Average for above classes in 1936 ...	42·67	19·86	34·49

(1) First class.
(2) Second class

(3) Surface.
(4) Underground.

Table 5.

ES	WAGES		Total of these costs per Ton milled	REMARKS
Cost per Ton milled	Total Amount	Per Ton milled		
Shillings	£ Stg.	Shillings	Shillings	
0·08	209,634·02	20·22	31·51	(*a*) Includes 29·20 boxes of electric detonators.
0·09	124,717·46	16·51	30·05	
0·07	134,464·93	17·31	29·08	
0·07	189,485·43	14·94	25·54	
0·08	658,301·84	17·16	28·76	
..	7,849·05	...	..	Chromium.
..	2,314·90	.	...	Do. (*b*) Includes 1,035 lbs. gunpowder.
...	2,128·95	...	...	Chromium and Manganese.
..	976·80	...	...	Magnesite.
...	7,281·15	...	...	(*c*) Includes 2,897 lbs. gunpowder. (*d*) Includes 4,471 lbs. gunpowder. Iron ore, Manganese and Limestone.
...	734·25	...	...	Manganese.
0·08	679,586·94	17·16	28·76	
0·07	662,046·09	17·47	29·23	

Table of gold production and working costs at the Gold Mines wor

NAME AND SITUATION OF MINE	GOLD PRODUCTION																
	From Mills and Tube Mills (current ore)					By Cyanide Process (current ore)					Total Production (current ore)				Re-treatment of Tail		
	Assay value of ore treated, Shillings per ton	Fine Gold	Value		Percentage recovered	Assay value of tailings, Shillings per ton	Fine Gold	Value		Percentage recovered	Fine Gold	Value		Percentage recovered	Assay value of tailings Shillings per ton	Fine Gold	Val
		Ounces	£ Stg.	Shillings per ton			Ounces	£ Stg.	Shillings per ton		Ounces	£ Stg.	Shillings per ton milled			Ounces	£ Stg.
1. The Mysore Gold Mine, Bowringpet Taluk, Kolar District ...	40·37	61,047·08	259,450·09	25·02	61·98	15·36	35,650·09	151,512·88	14·61	95·13	96,697·17	410,962·97	39·64	98·18	...	...	...
2. The Champion Reef Gold Mine do do ...	39·97	57,511·75	244,424·94	32·36	80·97	7·61	12,316·88	52,346·74	6·93	91·08	69,828·63	296,771·68	39·29	98·31	...	...	...
3. The Ooregum Gold Mine do do ...	23·98	32,162·12	136,689·01	17·60	73·39	6·33	10,408·76	44,237·23	5·70	89 98	42,570·88	180,926·24	23·29	97 14	6·60	7,959·26	33,826·86
4. The Nundydroog Gold Mine do do ...	36·78	91,510·94	388,921·50	30·66	83·36	6·12	15,799·81	67.149·19	5·29	86·50	107,310·75	456,070·69	35·95	97·75	4·56	4,639·97	19,719·87
Total ...	35·79	242,231·89	1,029,485·54	26·83	74·96	8·95	74,175·54	315,246·04	8·22	91·79	316,407·43	1,344,731·58	35·04	97·91	5·75	12,599·23	53,546·73
Total for 1936 ...	37·44	241,395·50	1,025,930·88	27·95	74·65	9·50	75,133·24	319,316·27	8·70	91·56	316,528·74	1,345,247·15	36·65	97·88	4·79	14,859·62	63,153·89

Value taken at 85 shillings per oz.

king in the State of Mysore during the year 1937.

Table 6.

...GS DUMPS,		FROM OTHER SOURCES		TOTAL PRODUCTION FROM ALL SOURCES		WORKING COSTS						Total Expenditure (including administration)		REMARKS
						MINING			ORE TREATMENT (CURRENT ORE)		RE-TREATMENT OF TAILINGS DUMPS			
									Milling, Tube-milling and Cyaniding		Tube-milling and Cyaniding			
Shillings per ton	Percentage recovered	Fine Gold Ounces	Value £ Stg.	Fine Gold Ounces	Value £ Stg.	£ Stg.	Shillings per ton excavated	Shillings per ton milled	£ Stg.	Shillings per ton treated	£ Stg.	Shillings per ton treated	Shillings per ton of current ore treated	Shillings per ton milled including cost of retreatment of old dumps	
...	...	(a)1,400·00	5,950·00	98,097·17	416,912·97	273,545·01	20·30	26·88	44,258·28	4·27	...	...	36·94	36·94	Fine gold figures for twelve months supplied by the Mining Companies are subject to final adjustment. (a) Obtained from partial dismantling of plant and plate scaling. (b) Recovered from an old Mill drain. (c) Obtained from quartz mined by Nundydroog Mine and accumulated matte.
...	...	(b) 185·50	788·38	70,014·13	297,560·06	170,674·29	15·83	22·60	29,084·29	3·85	...	...	32·47	33·47	
4·78	72·49	(c) 215·40	1,042·95	50,775·54	215,796·05	208,562·68	24·25	26·21	25,894·01	3·33	14,491·15	2·05	35·40	37·26	
3·89	85·38	...	..	111,950·72	475,790·56	293,747·44	16·25	23·16	41,177·87	3·24	16,375·62	3·23	30·68	31·97	
4·41	76·74	1,830·90	7,781·33	330,837·56	1,406,059·64	941,529·42	18·56	24·54	140,414·45	3·66	30,866·77	2·54	33·88	34·68	
4·15	86·68	517·47	2,826·75	331,935·83	1,410,727·29	932,512·02	18·41	25·40	135,965·79	3·70	34,438·84	2·26	35·07	36·01	

Number and Classification of fatal and serious accidents at Mines working in the State of Mysore during the year 1937.

Table 7.

NAME AND SITUATION OF MINE	FALLS IN MINES				IN AND AT SHAFTS								MISCELLANEOUS BELOW GROUND										ON SURFACE					TOTAL DUE TO			
	Falls of hanging wall	Falls of sides or roof	Falls of ore from working places	Total falls	Over-winding	Ropes and chains breaking	Whilst ascending or descending by machinery	Falling into shaft from surface	Falling from part way down	Things falling from surface	Things falling from part way down	Total in and at shafts	Rockbursts	Suffocation by gases	Explosion due to misfires	By explosives (other than misfires)	Falls of persons or things in Rises, Winzes and Stopes	On Inclined and Engine Planes	By Trams or Tubs, but not on Inclined and Engine Planes	By machinery	By other causes	Total miscellaneous below ground	By machinery	Boilers and steam pipes bursting, etc	On Railways, Tramways or Aerial Ropeways belonging to Mine	Miscellaneous	Total on surface	Negligence	Recklessness	Unavoidable	Grand Total
Number of Class of Accident ...	i	ii	iii		iv	v	vi	vii	viii	ix	x		xi	xii	xiii	xiv	xv	xvi	xvii	xviii	xix		xx	xxi	xxii	xxiii					
The Mysore Gold Mine, Bowringpet Taluk, Kolar District	...	...	..	0	..	...	...	...	...	...	...	0	3	...	2	1	3	1	3	2	25	40	1	...	...	2	3	2	6	35	43
The Champion Reef Gold Mine do do	...	...	...	0	...	...	1	...	1	...	1	3	17	...	1	1	5	...	10	..	30	64	...	...	1	3	4	7	4	60	71
The Ooregum Gold Mine do do	...	...	...	0	..	...	2	...	1	...	1	4	7	..	3	...	4	...	1	1	8	24	...	...	..	3	3	4	2	25	31
The Nundydroog Gold Mine do do	...	...	...	0	..	...	1	..	2	...	1	4	16	...	4	..	9	..	..	1	26	56	3	..	2	3	8	7	6	55	68
The Keshapur Mine, Holalkere Taluk, Chitaldrug District	.	...	...	0	...	...	...	...	...	...	...	0	...	...	..	...	..	...	...	...	...	0	...	...	..	1	1	...	...	1	1
Government Chrome Mines, Byrapur, Channarayapatna Taluk, Hassan District.	...	...	...	0	...	..	...	...	...	...	.	0	...	...	...	...	...	...	...	...	...	0	...	...	..	1	1	1	...	..	1
The Indian Mines Development, Syndicate, Manighatta Block, Kolar Taluk Kolar, District.	...	...	...	0	...	..	...	...	...	...	...	0	...	...	...	...	...	...	..	...	...	0	...	...	...	2	2	...	...	2	2
The Kemmangundi Mine, (Mysore Iron and Steel Works), Tarikere Taluk, Kadur District.	...	...	..	0	...	..	...	...	...	...	...	0	...	...	..	...	...	...	..	...	...	0	...	...	..	1	1	...	..	1	1
Total ...	0	0	0	0	0	0	4	0	4	0	3	11	43	0	10	2	21	1	14	4	89	184	4	0	3	16	23	21	18	179	218
Number due to Negligence ...	0	0	0	0	0	0	2	0	1	0	0	3	0	0	7	1	6	0	1	0	1	16	0	0	0	2	2				
Number due to Recklessness ...	0	0	0	0	0	0	2	0	0	0	1	3	0	0	3	1	5	1	0	2	3	15	0	0	0	0	0				
Number due to Unavoidable ...	0	0	0	0	0	0	0	0	3	0	2	5	43	0	0	0	10	0	13	2	85	153	4	0	3	14	21				

Number of fatal and serious accidents per 1,000 persons employed at Gold Mines working in the State of Mysore during the year 1937.

Table 8.

NAME AND SITUATION OF MINE	NUMBER PER 1,000 DUE TO			Total per 1,000	Total per 1,000 for the year 1935	Total per 1,000 for the year 1934	REMARKS
	Negligence	Recklessness	Unavoidable				
1. The Mysore Gold Mine, Bowringpet Taluk, Kolar District	0·28	0·83	4·86	5·97	6·84	7·70	In these columns, in order to avoid large and misleading figures in the case of mines employing less than 1,000 persons, the actual figures obtained for these mines have been modified in the following way:— If the actual figure is less than the average (for all mines), it is inserted here. If the actual figure is greater than the average, the excess above the average is reduced in proportion of the number of persons employed to 1,000. The figure inserted here is equal to the average plus this reduced excess.
2 The Champion Reef Gold Mine do do	1·36	0·77	11·62	13·75	18·66	17·08	
3. The Ooregum Gold Mine do do	0·65	0·43	5·34	6·62	8·43	13·23	
4 The Nundydroog Gold Mine do do	1·02	0·88	8·04	9·94	9·81	12·79	
Average for all mines ...	0·84	0·75	7·33	8·92	10·40	12·21	
Average for 1936 ...	1·00	0·74	8·66				

Number of persons killed in accidents at Mines working in the State of Mysore for the year 1937.

Table 9.

NAME AND SITUATION OF MINE	FALLS IN MINES				IN AND AT SHAFTS								MISCELLANEOUS BELOW GROUND									ON SURFACE					Grand Total
	Falls of hanging wall	Falls of sides or roof	Falls of ore from working places	Total falls	Over-winding	Ropes and chains breaking	Whilst ascending or descending by machinery	Falling into shaft from surface	Falling from part way down	Things falling from surface	Things falling from part way down	Total in and at shafts	Rockbursts	Suffocation by gases	Explosion due to misfires	By explosives (other than misfires)	Falls of persons or things in Rises, Winzes and Stopes	On Inclined and Engine Planes	By Trams or Tubs, but not on Inclined and Engine Planes	By machinery	By other causes	Total miscellaneous below ground	By machinery	Boilers and Steam Pipes bursting, etc.	On Railways, Tramways or Aerial Ropeways belonging to Mine	Miscellaneous	Total on surface	
Number of Class of Accident ...	i	ii	iii		iv	v	vi	vii	viii	ix	x		xi	xii	xiii	xiv	xv	xvi	xvii	xviii	xix		xx	xxi	xxii	xxiii		
1. The Mysore Gold Mine, Bowringpet Taluk, Kolar District	..	...	...	0	...	...	...	...	...	...	...	0	2	...	1	1	1	...	...	...	1	6	...	...	...	1	1	7
2. The Champion Reef Gold Mine do do	...	...	...	0	...	...	1	...	1	...	...	2	6	...	...	1	3	...	...	...	1	11	...	...	...	2	2	15
3. The Ooregum Gold Mine do do	...	...	...	0	...	...	...	...	...	...	...	0	6	...	3	...	1	...	...	...	...	10	...	...	...	...	...	10
4. The Nundydroog Gold Mine do do	...	...	..	0	..	...	1	..	1	...	1	3	5	...	1	...	5	...	...	...	...	11	...	...	...	...	..	14
5. Govt. Chrome Mines, Byrapur, Channarayapatna Taluk, Hassan District ...	...	..	...	0	...	...	...	...	...	...	...	0	...	..	...	...	...	...	...	...	...	0	...	...	...	1	1	1
6. The Indian Mines Development Syndicate, Manighatta Block, Kolar Taluk, Kolar District.	...	...	...	0	...	..	...	...	...	...	...	0	...	...	...	...	...	...	...	...	..	0	...	...	...	1	1	1
7. The Kemmangundi Mine, (Mysore Iron and Steel Works), Tarikere Taluk, Kadur District	...	...	...	0	...	...	...	...	...	...	...	0	...	...	...	...	...	...	...	...	...	0	...	...	...	1	1	1
Total ...	0	0	0	0	0	0	2	0	2	0	1	5	19	0	5	2	10	0	0	0	2	38	0	0	0	6	6	49

Number of persons seriously injured in accidents at Mines working in the State of Mysore during the year 1937.

Table 10.

NAME AND SITUATION OF MINE	FALLS IN MINES				IN AND AT SHAFTS								MISCELLANEOUS BELOW GROUND									ON SURFACE					
	Falls of hanging wall	Falls of sides or roof	Falls of ore from working places	Total falls	Over-winding	Ropes and chains breaking	Whilst ascending or descending by machinery	Falling into shaft from surface	Falling from part way down	Things falling from surface	Things falling from part way down	Total in and at shafts	Rockbursts	Suffocation by gases	Explosion due to misfires	By explosives (other than misfires)	Falls of persons or things in Rises, Winzes and Stopes	On Inclined and Engine Planes	By Trams or Tubs, but not on Inclined and Engine Planes	By machinery	By other causes	Total miscellaneous below ground	By machinery	Boilers and Steam Pipes bursting, etc.	On Railways, Tramways or Aerial Ropeways belonging to Mine	Miscellaneous	Total on surface	Grand Total
Number of Class of Accident ...	i	ii	iii		iv	v	vi	vii	viii	ix	x		xi	xii	xiii	xiv	xv	xvi	xvii	xviii	xix		xx	xxi	xxii	xxiii		
1. The Mysore Gold Mine, Bowringpet Taluk, Kolar District	...	...	..	0	...	...	...	...	...	...	...	0	3	...	3	...	2	1	3	2	24	38	1	...	...	1	2	40
2. The Champion Reef Gold Mine do do	...	...	...	0	...	...	...	..	...	...	1	1	22	...	1	...	2	...	10	...	29	64	...	...	1	2	3	68
3. The Ooregum Gold Mine do do	...	...	..	0	...	..	2	..	1	...	1	4	10	...	5	...	3	...	1	1	8	28	...	..	...	3	3	35
4. The Nundydroog Gold Mine do do	...	..	...	0	...	...	...	..	2	...	1	3	16	...	6	...	4	...	...	1	26	53	3	...	2	3	8	64
5. The Keshapur Mine, Holalkere Taluk, Chitaldrug District	...	...	...	0	...	...	...	...	..	...	...	0	...	...	...	...	...	...	...	...	...	0	...	...	...	1	1	1
6. The Indian Mines Development Syndicate, Manighatta Block, Kolar Taluk, Kolar District. ...	...	...	...	0	...	...	...	...	...	...	...	0	...	...	...	...	...	..	...	..	...	0	...	...	...	1	1	1
Total ...	0	0	0	0	0	0	2	0	3	0	3	8	51	0	15	0	11	1	14	4	87	183	4	0	3	11	19	209

Comparative table showing the mortality and other items at Gold Mines working in the

ITEMS — Year ...	MYSORE																						
	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1916
1. Number of separate accidents (fatal and serious) per 1,000 persons employed.	7·48	6·69	6·12	8·19	11·03	7·41	7·51	9·90	10·28	10·65	10·19	10·99	9·88	12·25	10·63	10·60	11·32	13·57	15·15	12·80	10·40	8·92	10·40
2. Death rate per 1,000 persons employed above ground	0·48	0·29	0·47	0·56	0·20	0·29	0·37	0·20	0·00	0·11	0·42	0·22	0·11	0·46	0·12	0·36	0·13	0·24	0·24	0·12	0·00	0·35	1·13
3. Death rate per 1,000 persons employed below ground	5·66	4·67	4·73	4·54	6·01	4·95	5·42	7·09	6·43	6·92	4·50	4·94	4·36	6·66	4·26	12·86	6·74	4·34	4·10	3·68	4·03	2·81	3·83
4. Death rate per 1,000 persons employed (above and below ground) ...	3·52	2·81	2·90	2·79	3·55	2·91	3·09	3·79	3·38	3·62	2·45	2·64	2·28	3·74	2·31	7·12	3·93	2·22	2·18	1·98	2·14	1·93	3·22
5. Number of persons employed for each 100,000 tons of ore crushed ...	3,288	3,333	3,434	3,475	3,551	3,689	3,462	3,169	2,890	2,792	2,924	2,963	2,884	2,797	2,924	3,159	3,031	3,071	3,169	3,140	3,129	3,112	766
6. Number of persons killed for each 100,000 tons of ore crushed ...	11·58	9·37	9·94	9·69	12·63	10·60	10·70	12·00	9·76	10·10	7·18	7·83	6·59	10·47	6·75	22·51	11·92	8·18	8·25	7·47	8·04	5·99	2·47
7. Number of persons employed for each £100,000 worth of gold obtained	1,188	1,185	1,264	1,304	1,317	1,442	1,435	1,270	1,188	1,156	1,151	1,165	1,178	1,093	1,237	1,309	1,341	1,420	1,575	1,606	1,628	1,698	573
8. Number of persons killed for each £100,000 worth of gold obtained	4·18	3·39	3·66	3·63	4·68	4·20	4·44	4·81	4·01	4·18	2·82	3·08	2·70	4·46	2·86	9·32	5·26	3·78	4·10	3·82	4·18	3·27	1·34
9. Average value (in shillings) of ore (gold obtained per ton crushed)	55·38	56·25	54·93	53·27	53·97	50·46	(a) 43·69	(a) 44·65	(a) 43·73	(a) 42·54	(a) 44·42	(a) 44·92	(a) 42·53	(a) 41·52	(a) 42·29	(a) 42·85	(a) 40·50	(a) 40·55	(a) 37·64	(a) 36·97	(a) 36·65	(a) 35·04	26·74

(a) Represents the average value of gold obtained from current ore crushed only and does not include value of gold obtained from retreatment of old dumps as in previ

State of Mysore and in the Transvaal.

Table 11

TRANSVAAL

917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	REMARKS
·97	10·18	12·09	13·89	23·58	18·89	16·92	18·02	20·71	18·93	29·43	34·11	37·47	36·11	40 89	46·16	44·08	42·10	40·76	39·47	38·25	
·78	1·07	0·68	0·92	0·69	0·78	0·87	0·85	0·68	0·46	0·33	1·14	0·94	0·64	0·68	0·52	0·70	0·76	0·56	0·67	0·57	
·84	3·12	3·16	3·05	2·87	2·64	3·18	3·27	3·03	2·93	3·53	2·72	3·26	3·18	2·98	2·90	2·88	2·57	2·76	2·70	2·74	
·59	2·47	2·41	2·38	2·19	1·85	2·50	2·56	2·32	2·20	2·75	2·24	2·58	2·47	2·31	2·28	2·29	2·01	2·12	2·10	2·09	
786	787	789	799	803	792	730	693	683	679	702	712	691	704	710	683	689	706	702	695	671	
·99	2·05	1·99	2·00	1·86	1·71	1·90	1·84	1·64	1·56	2·01	1·66	1·86	1·81	1·71	1·61	1·64	1·49	1·54	1·52	1·45	
541	561	548	570	557	585	516	498	492	489	494	504	494	498	510	497	557	648	702	722	715	
·46	1·46	1·38	1·43	1·29	1·16	1·34	1·33	1·19	1·12	1·41	1·18	1·33	1·28	1·22	1·17	1·32	1·37	1·54	1·58	1·55	
·15	28·02	28·70	28·05	28·88	29·58	28·96	27·84	27·79	27·77	28·86	28·32	28·02	28·29	27·88	27·49	24·76	21·82	20·06	19·36	18·90	

s years.

List of mining properties leased, assigned or abandoned in the State of Mysore from January to December 1937.

A.—Leased.

Table 12.

NAME OF PROPERTY	SITUATION		Name of Lessee	Date of Grant	Registered No. of Lease	REMARKS
	Taluk	District				
Hulikatte Block	Davangere and Jagalur.	Chitaldrug ...	Messrs. V. Manickavelu Mudaliar & Son	4th March 1937 ...	177	For Manganese Ore for 10 years from 27th March 1937 in lieu of Lease No. 171 expired.
Sunkadahalli	Arsikere ...	Hassan ..	Messrs. Oakley Duncan & Co. Ltd.	15th March 1937 ...	178	For Chrome Ore for 10 years from 27th March 1937 in lieu of Lease No. 172 expired.
Mahadevpur	Holalkere ...	Chitaldrug ...	Do	Do ...	179	For Manganese Ore for 10 years from 27th March 1937 in lieu of Lease No. 173 expired.

B.—Assigned.

NAME OF PROPERTY	SITUATION		Registered No. of Lease	Name of Assignor	Name of Assignee	Date of Assignment	REMARKS
	Taluk	District					
Nil	.....	.....	.....	Nil	.....	.....	.....

C.—Abandoned.

NAME OF PROPERTY	SITUATION		Registered No. of Lease	Name of Lessee	Date of Abandonment	REMARKS
	Taluk	District				
Nil	.....	.....	.....	Nil	.....	.....